



Analog and Mixed-Signal Circuit Designs and Their Applications

Guest Editors:

Dr. Hyuntak Jeon

School of Electronics
Engineering, Chungbuk National
University (CBNU), 1 Chungdae-
ro, Seowon-Gu, Cheongju 28644,
Republic of Korea

Dr. Soon-Jae Kweon

School of Information,
Communications and Electronics
Engineering, The Catholic
University of Korea, 43 Jibong-ro,
Bucheon-si 14662, Gyeonggi-do,
Republic of Korea

Deadline for manuscript
submissions:

closed (15 November 2024)

Message from the Guest Editors

Dear Colleagues,

The advancement of digital integrated circuits has undoubtedly driven the development of various hardware design technologies, including the field of artificial intelligence.

However, as systems have become more sophisticated, there has been a growing need to design analog and mixed-signal integrated circuits optimized for various application domains.

Therefore, in this Special Issue, we will cover various techniques for the design of analog and mixed-signal integrated circuits and their diverse applications, aiming to explore various circuit design techniques for emerging application areas.

Keywords:

- analog integrated circuits
- mixed-signal integrated circuits
- power management integrated circuits
- sensor interface integrated circuits
- analog-to-digital converter
- digital-to-analog converter





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPlus / SciFinder](#), [Inspec](#), [Ei Compendex](#) and [other databases](#).

Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](#)